

# MiniTech

High security lock for safes



USER INSTRUCTIONS

**M•LOCKS**

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## Information about MiniTech

### Using your keypad

Press any button to power up the keypad.

Automatic power savings: if no operation is performed for 30 seconds the keypad will automatically switch off.













To slide menu functions press .

To exit from a menu and get back to start menu slide the functions until the message "EXIT?" and press .

### Shortcuts

Press and hold the button corresponding to the needed function.



-  = Change Manager code (01), users code (02-09) and override user code (10)
-  = Users management
-  = Lock setup
-  = Dynamic codes
-  = Block/unblock the lock
-  = Test mode
-  = Change keypad language
-  = Audit
-  = Firmware release
-  = Time delay
-  = Back to start menu
-  = Master menu



## **Users properties and default codes**

Master: code (default: 1-2-3-4-5-6-7-8).

Manager: code (default: ID: 0-1 code: 1-2-3-4-5-6) or code + Dallas key.

Users 02 - 09: code (default: ID: 0-2 code: 2-2-2-2-2-2, ID 0-3 code: 3-3-3-3-3-3, etc...), code + Dallas key.

Override user 10: code (default: ID 1-0 code: 1-0-1-0-1-0), code + Dallas key.

## **Change default codes before operating the lock**

### **Penalty**

Four consecutive wrong codes initiate a four minutes penalty. During this period LCD will display the message "PENALTY" and no operation will be allowed.

### **Time Delay**

Time delay 0-99 minutes; open window 1-19 minutes.

### **Dallas keys**

Available as option for Manager and users (not available for Master).

### **Power supply**

Lock can be powered with an ALKALINE 9V battery, with an internal large battery box (6 ALKALINE 1.5V batteries) or with power supply and dedicated interface.

### **Low battery warning**

A long beep and the message "BATTERY LOW" indicate the battery is low and has to be immediately changed.

### **Audit**

The lock stores the last 900 operations with time, date, user and operation. The keypad stores the last 250 operations with time, date, user and operation.

**Never remove label on lock cover, this voids the warranty.**

## Open the lock

### Manager (01) and users (02-09): open the lock with time delay

Power up the keypad. LCD will display the message:

ENTER CODE  
X X – X X X X X X

Enter Manager or user code and the Dallas key (if set). LCD will show time delay counting.

TIME DELAY  
00:59

If the entered code is wrong LCD will display the message:


WRONG CODE

To stop time delay counting press  and then  to confirm.

STOP TIME DELAY  
COUNTING?

After time delay counting LCD will display open window counting:

OPEN WINDOW  
00:01

Press , LCD will display the message:

ENTER CODE  
X X – X X X X X X

Enter Manager or user code and the Dallas key (if set). Open within three seconds (green led).

OPEN THE LOCK

If the user is set to open in dual mode LCD will display the message:

ENTER 2°CODE  
X X – X X X X X X

Enter second code and the Dallas key (if set). Open the lock within three seconds (green led).

OPEN THE LOCK

### Override user (10): open the lock without time delay

Power up the keypad. LCD will display the message:

ENTER CODE  
X X – X X X X X X

Enter override user code and the Dallas key (if set). Open the lock within three seconds (green led).

OPEN THE LOCK

If the user is set to open in dual mode LCD will display the message:


ENTER 2°CODE  
X X – X X X X X X

Enter second code and the Dallas key (if set). Open the lock within three seconds (green led).

OPEN THE LOCK

## Change code

### Manager (01), users (02-09) and override user (10)

Power up the keypad. Press and hold . LCD will display the message:

ENTER OLD CODE  
X X - X X X X X X

Enter the **old code** and the Dallas key (if set).

Enter the **new code** and the Dallas key (if set).


ENTER NEW CODE  
X X X X X X

Confirm the **new code** and the Dallas key (if set).

CONFIRM CODE  
X X X X X X

Always perform this operation with the door open.

## Users management

Power up the keypad. Press and hold . LCD will display the message:

USERS MANAGEMENT  
0 1 - X X X X X X

Enter Manager code.

Press  to slide users list or enter user ID.


02 03 04 05 06  
V X \_ \_ V

“V” user installed, “\_” user deleted, “X” user disabled.

Users 02 - 09 open with time delay (if set). Override user 10 opens without time delay. Override user 10 can be only installed when lock is open. Open the lock before install the user.

Press . If the user is not installed LCD will display the message:

02  
INSTALL?

“1 2” code, “” Dallas key, “+” dual mode, “TL” time lock


Press  to confirm or press  to disable/enable/delete and press  to confirm.

## Lock setup

Lock setup is done through a setup Dallas key when the lock is in pre-setup.

To open a lock in pre-setup press .




PRESS 1 TO OPEN

Power up the keypad. Press and hold . LCD will display the message:

SYSTEM SETUP  
.....

Enter the setup Dallas key into the reader and connect the reader the the keypad through the jack connector. LCD will display the message:

08:00 FRY  
27/01/2006


Check displayed time and date, press  to confirm or  to update the values and then  to confirm. LCD will display the message:

UPLOADING  
.....

If the operation is successfully performed LCD will display the message:

OPERATION DONE

## Dynamic codes

Power up the keypad. Press and hold . LCD will display the message:

DYNAMIC USER  
X X X X

Enter the dynamic user PIN or the Dallas key. LCD will display the message:

DYNAMIC CODE  
X X X X X X X X


Enter the dynamic code and press .

Open within three seconds (green led).

If the lock is set to display closing code, LCD will display the message:

CLOSING CODE  
X X X

## Block and unblock the lock


Power up the keypad. Press and hold . LCD will display the message:

BLOCK THE LOCK  
X X - X X X X X X

Enter the requested code.

If weekly Time Lock is set LCD will display the next opening time.

BLOCK LOCK UNTIL  
14/09 08:00

If you want to set a different opening time enter new values (max. 2 weeks) then press  to confirm.

BLOCK LOCK UNTIL  
DD/MM hh:mm

LCD will display the message:

BLOCK THE  
LOCK?

Press ☒ to confirm. LCD will display the message:

LOCK BLOCKED

The lock can be blocked for maximum thirtyone (31) days.

To unblock a lock previously blocked press and hold ☐4. LCD will display the message:

UNBLOCK THE LOCK  
X X – X X X X X

Enter requested code. LCD will display the message:

OPERATION DONE

Depending on lock setup Master code could be needed: enter Master code.

## Test mode

Power up the keypad. Press and hold ☐5. LCD will display the message:

TEST MODE  
1234567890 ➡ v

Enter the sequence of buttons displayed on the LCD.

TEST MODE  
1234567890 ➡ v

Any working button will produce a short beep.

A damaged button will cause a long beep. LCD will display the message:

WRONG/FAULTY  
KEY

## Change language

Power up the keypad. Press and hold ☐6. LCD will display the message:

ITALIANO  
1 2 3

Press one of the available numbers to change the language and press ☒ to confirm or press ☐➡ to exit.

ENGLISH  
1 2 3

## Audit

### Download the audit on a Dallas key

Use this function to download on a Dallas key all keypad and lock events. The audit stored on the Dallas key can be read through an interface and a PC software provided by Tecnosicurezza.

Power up the keypad. Press and hold ☐7. LCD will display the message:

LOCK AUDIT  
0 1 – X X X X X



Enter Manager code. LCD will display the message:

ENTER DALLAS

...

Enter the audit Dallas key into the reader. If the operation is successfully performed LCD will display the message:

OPERATION DONE

## Slide events on the LCD

Use this function to check all the opening and closing events stored on the lock.

Power up the keypad. Press and hold **1**. LCD will display the message:

LOCK AUDIT  
0 1 – X X X X X X

Enter Manager code. LCD will display the message:

ENTER DALLAS

...

Press ☒ or wait. LCD will display the message:

SLIDE EVENTS  
ON LCD

LCD will start showing all the opening and closing events stored on the lock.

001: WED  
28/09 14:42:48

Press ☒ to slide all the events or to exit.

## Firmware release

Power up the keypad. Press and hold **8**. LCD will display the message:

MINITECH V 1.00  
21/02/12

Press to get back to start menu.

## Adjust contrast

Power up the keypad. Press and hold **8**. LCD will display the message:


MINITECH V 1.00  
21/02/12

Press and hold **8** again. LCD will display the message:

ADJUST CONTRAST  
1 2 3 4 5 6 7 8

Press one of the available numbers to change the contrast and press ☒ to confirm or press to exit.

## Time delay

Power up the keypad. Press and hold . LCD will display the message:

SET TIME DELAY  
0 1 – X X X X X X

Enter Manager code. LCD will display current values:

TIME DELAY 00  
OPEN WINDOW 01

Press  to exit or  to set new values.

T.DELAY mm  
O.WINDOW mm


Enter new values and press  to confirm. LCD will display the message:

VALUES UPDATED

Time delay: 00 - 99 minutes. Open window: 01 - 19 minutes.

To set a lower time delay than the current set, lock must be open.

## Master menu

Power up the keypad. Press and hold . LCD will display the message:

MASTER MENU  
X X X X X X X X

Enter Master code. (default 1-2-3-4-5-6-7-8).

## Time and date settings

Access the Master menu and access the function. LCD will display the message:


TIME AND DATE  
SETTINGS

Press . LCD will display current time and date:

08:00 FRY  
27/01/2006

Press  to change time and date.

hh:mm \_ \_ \_  
DD / MM / YYYY

Enter new values and press  to confirm.

## Time Lock settings

Access the Master menu and access the function. LCD will display the message:

TIME LOCK  
SETTINGS

## Weekly Time Lock settings - Add new values

Access the time lock menu and access the function. LCD will display the message:

WEEKLY TIME LOCK  
SETTINGS

Press ☒. LCD will display the message:

ADD NEW VALUES

Press ☒. LCD will display the current day of the week.

● hh:mm FRY  
● hh:mm

Enter first the opening time and then the closing time.

Press ☒ to confirm. LCD will display the next day of the week and propose the same values.

Press ☒ to confirm or ☐ to skip and change day.

At the end of the week LCD will display the message:

END OF LIST  
EXIT AND SAVE? v

Press ☒ to save or ☐ to get back to the first day.

Settings will be saved when ☒ will be pressed. Up to four different periods can be set for each day.

Weekly time lock is an opening time period: the safe door can be opened if you enter a valid code (for ex. opening period from 08:00 to 14:00: the door can be opened from 08:00 to 14:00, but can't be opened at 16:00).

You can enter four different time periods for each day (for ex. MON from 07:00 to 10:00; from 12:00 to 13:00; from 15:00 to 16:00; from 18:00 to 19:00).

Time periods will be saved after confirmation (pressing ☒).

**It is recommended to set the values with safe door open.**

## Weekly Time Lock settings – Verify or delete values

Access the time lock menu and access the function. LCD will display the message:

WEEKLY TIME LOCK  
SETTINGS

Press ☒ and then ☐, LCD will display the message:

VERIFY OR  
DELETE VALUES



Press ☒, LCD will display the set values for the first day.

● hh:mm FRI  
● hh:mm

Press ☐ to scroll all the set values.

Press ☒ to delete the set values. LCD will display the message:

DELETE?

Press  to confirm or press  to exit.


At the end of the list press .

END OF LIST


## Closing periods settings - Add new values



Access the time lock menu and access the function. LCD will display the message:


CLOSING PERIODS  
SETTINGS

Press , LCD will display the message:

ADD NEW VALUES

Press , LCD will display the message:

 DD/MM/YY hh:mm  
 DD/MM/YY hh:mm

Enter first closing time and date and then opening time and date. Press  to confirm.

If a value for the year **is set**, this closing period will cease after that date. If a value for the year **is not set**, the closing period will repeat every year.

To cancel entered values, press .

Repeat this procedure for every closing period.

During closing periods the safe's door can not be opened.

Up to 30 opening periods are available for a maximum of fourteen (14) days each.


## Closing periods settings – Verify or delete values



Access the time lock menu and access the function. LCD will display the message:

CLOSING PERIODS  
SETTINGS

Press  and then , LCD will display the message:

VERIFY OR  
DELETE VALUES

Press , LCD will display the first saved closing period.

 DD/MM/YY hh:mm  
 DD/MM/YY hh:mm


Press  to scroll all the set values.

Press  to delete the set values. LCD will display the message:

DELETE?

v

Press  to delete the LCD values or press  to exit.


At the end of list press .

END OF LIST


## Opening periods settings- Add new values



Access the time lock menu and access the function. LCD will display the message:


OPENING PERIODS  
SETTINGS

Press . LCD will display the message:

ADD NEW VALUES

Press . LCD will display the message:

 DD/MM/YY hh:mm  
 DD/MM/YY hh:mm

Enter first opening time and date and then closing time and date. Press  to confirm.

If a value for the year **is set**, this opening period will cease after that date. If a value for the year **is not set**, this opening period will repeat every year.

To cancel entered values, press .

Repeat this procedure for every opening period.



During opening periods it will be possible to open the safe's door even if time lock is active.

Up to 30 opening periods are available for a maximum of fourteen (14) days each.


## Opening periods settings - Verify or delete values



Access the time lock menu and access the function. LCD will display the message:

OPENING PERIODS  
SETTINGS


Press  and then , LCD will display the message:

VERIFY OR DELETE  
VALUES

Press , LCD will display the first saved opening period.

 DD/MM/YY hh:mm  
 DD/MM/YY hh:mm

Press  to scroll all the set values.

Press  to delete the set values. LCD will display the message:

DELETE?

v

Press  to delete the LCD values or press  to exit.

At the end of list press .

END OF LIST

## Audit

### Download the audit on a Dallas key

Use this function to download all keypad and lock events on a Dallas key.

Access the Master menu and access the function. LCD will display the message:

ENTER DALLAS  
...

Enter the audit Dallas key into the reader. If the operation is successfully performed LCD will display the message:

OPERATION DONE

### Slide events on the LCD

Use this function to check all the opening and closing events stored in the lock.

Access the Master menu and access the function. LCD will display the message:

ENTER DALLAS  
...

Press ☒ or wait. LCD will display the message:

SLIDE EVENTS  
ON LCD

LCD will start showing all the opening and closing events stored on the lock.

001:  WED  
28/09 14:42:48

Press ☒ to slide all the events or  to exit.

## Change Master code

Access the Master menu and access the function. LCD will display the message:

CHANGE MASTER  
CODE

Press ☒ and enter the new code.

ENTER NEW CODE  
X X X X X X X X

Confirm the new code.

CONFIRM CODE  
X X X X X X X X

Always perform this operation with the door open.

## Manager Management

Access the Master menu and access the function. LCD will display the message:

MANAGER  
MANAGEMENT

Press ☒ . LCD will display the message:

MANAGER v

“V”: Manager installed, “\_”: Manager deleted, “X”: Manager disabled.

Press ☒ . If the Manager is not installed LCD will display the message:

01  
INSTALL?

Press ☒ to confirm or press ☐ to disable/enable/delete and press ☒ to confirm.

## Dynamic codes

Use this function to enable/disable dynamic codes function on the lock. Dynamic codes function can be only enabled when lock is open. Open the lock before enable the function.

Access the Master menu and access the function. LCD will display the message:

DYNAMIC CODES

Press ☒ . LCD will display the message:

DYNAMIC CODES  
DISABLED (ENABLED)

Press ☐ . LCD will display the message:

DYNAMIC CODES  
ENABLE? (DISABLE?)

Press ☒ to confirm. LCD will display the message:

OPERATION DONE



Before operating the lock,  
please read this manual thoroughly,  
and retain it for future reference.

**Correct disposal of this product:**  
**(Waste Electrical & Electronic Equipment)**

Applicable in the European Union and other European countries  
with separate collection systems.

This marking displayed on the product or its literature indicates that  
it should not be disposed with other wastes at the end of its working  
life. To prevent possible harm to the environment or human health  
from uncontrolled waste disposal, please separate this from other  
types of wastes and recycle it responsibly to promote the  
sustainable reuse of material resources.

